

## Permit Alteration Source Analysis & Technical Review

Company	Building Materials Corporation of America	Permit Number	7711A
City	Dallas	Project Number	165555
County	Dallas	Account Number	DB-0378-S
Project Type	Revision	Regulated Entity Number	RN100788959
Project Reviewer	Mr. Joel Stanford	Customer Reference	CN602717464

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Site Name                      **Asphalt Roofing Production Facility**

### Project Overview

The company has proposed to alter representations of site wide modeling performed as part of the December 2008 permit amendment to reflect the installation of two low NOx burners on units which are authorized separately under Permit By Rule. The company has also proposed that these new burners would maintain the original stack heights of the units, rather than the height proposed in the modeling submitted for the amendment. The stack heights were originally proposed to be increased in order to meet the 1 hour NAAQS for NO<sub>2</sub>. Modeling has been provided which indicates that the site wide NO<sub>2</sub> concentrations would be lower when utilizing low NOx burners rather than the elevated stacks. The company has also provided a Certification of Emission Limits for these units to TCEQ alongside this alteration application.

### Impacts Evaluation - 30 TAC 116.111(a)(2)(J)

Was modeling conducted? <b>Yes</b>	Type of Modeling: <b>Refined - AERMOD</b>
Will GLC of any air contaminant cause violation of NAAQS?	<b>No</b>

### Summary of Modeling Results

The modeling results were audited by TCEQ's ADMT and deemed acceptable. The original 1 hour site wide predicted concentration modeled with the previously proposed higher stacks was 58.43 µg/m<sup>3</sup>. The revised predicted concentration utilizing low NOx burners was 56.49 µg/m<sup>3</sup>.

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Project Reviewer	Date	Team Leader/Section Manager/Backup	Date
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